

1 ABSTRACT

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3 An implementation of a technology is described herein for the protection of
4 rights in the content of a video sequence. This technology further generally relates
5 to a technology facilitating embedding imperceptible, de-synchronization-resistant
6 watermarks in video sequence and facilitating detecting such watermarks. These
7 watermarks are resistant against unintentional and intentional modifications. In
8 particular, the watermarks are resistant to de-synchronization. In addition, the
9 watermarks are perceptually invisible. The watermarks are hidden in the video so
10 that flicker is minimized or eliminated. More specifically, this technology hides a
11 watermark (of portions thereof) over one or more regions of successive frames.
12 Each region has a center defined by a hash value. A watermark (of portions
13 thereof) is encoded into the region in a “plateau” manner. The mark (of portions
14 thereof) is fully encoded in the frames surrounding the region’s center, but trail off
15 towards the edges of the region. This abstract itself is not intended to limit the
16 scope of this patent. The scope of the present invention is pointed out in the
17 appending claims.

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